



IN THE SPECIFICATION

Please insert the following heading at page 1, between lines 9 and 10:

Field of the Invention:

Please insert the following heading at page 1, between lines 14 and 15:

Discussion of the Background:

Please replace the paragraph at page 10, lines 14-17, with the following rewritten paragraph:

Moreover, the step signal 19 allows data output from the scanning F/F circuits 21 to 23 after one-cycle program advancement while the rotate signal 17 is active and then brings the logic circuit 1 to a halt.